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Substitute for form 1449A/PTO				Application Number	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	
(use as many sheets as necessary)				First Named Inventor	
Sheet 1 of 13				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	
				10/076,121	
				2/12/02	
				Steven Teig	
				Do, Thuan	
				2825	
				SPLX.P0081	

U.S. PATENT DOCUMENTS						
Examiner's Initials	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TD	1.	2002/0100009	A1	07-25-2002	Xing et al.	
TD	2.	2002/0104061	A1	08-01-2002	Xing et al.	
TD	3.	2002/0107711	A1	08-08-2002	Xing et al.	
TD	4.	2002/0182844	A1	12-05-2002	Igarashi et al.	
TD	5.	2003/0005399	A1	01-02-2003	Igarashi et al.	
TD	6.	2003/0188281	A1	10-02-2003	Xing	
TD	7.	4,615,011		09-30-1986	Linsker	
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TD	9.	5,633,479		05-27-1997	Hirano	
TD	10.	5,634,093		05-27-1997	Ashida et al.	
TD	11.	5,635,736		06-03-1997	Funaki et al.	
TD	12.	6,128,767		10-03-2000	Chapman	
TD	13.	6,219,823	B1	04-17-2001	Hama et al.	
TD	14.	6,226,560	B1	05-01-2001	Hama et al.	
TD	15.	6,262,487	B1	07-17-2001	Igarashi et al.	
TD	16.	6,295,634	B1	09-25-2001	Matsumoto	
TD	17.	6,436,804	B2	08-20-2002	Igarashi et al.	
TD	18.	6,490,713	B2	12-03-2002	Matsumoto	
TD	19.	6,546,540	B1	04-08-2003	Igarashi et al.	
TD	20.	6,645,842	B2	11-11-2003	Igarashi et al.	

Examiner Signature	<i>Uuando</i>	Date Considered	8-02-04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date		2/12/02	
				First Named Inventor		Steven Teig	
				Group Art Unit		Do, Thuan	
				Examiner Name		2825	
Sheet		2		of		13	
				Attorney Docket Number		SPLX.P0081	
U.S. PATENT DOCUMENTS							
TD	21.	2001/0003 843	A1	06-14-2001	Scepanovich et al.		
TD	22.	2002/0174 413	A1	11-21-2002	Tanaka		
TD	23.	2003/0025 205	A1	02-06-2003	Shivety		
TD	24.	2003/0121 017	A1	06-26-2003	Andreev et al.		
TD	25.	4,673,966		06-16-1987	Shimoyama		
TD	26.	4,700,016		10-13-1987	Hitchcock et al.		
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TD	28.	5,360,948		11-01-1994	Thornberg		
TD	29.	5,375,069		12-20-1994	Satoh et al.		
TD	30.	5,532,934		07-02-1996	Rostoker		
TD	31.	5,578,840		11-26-1996	Scepanovic et al.		
TD	32.	5,618,744		04-08-1997	Suzuki et al.		
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TD	34.	5,837,920		06-10-1997	Loo		
TD	35.	5,650,653		07-22-1997	Rostoker et al.		
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TD	38.	5,663,891		09-02-1997	Bamji et al.		
TD	39.	5,717,600		02-10-1998	Ishizuka		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date		2/12/02	
				First Named Inventor		Steven Teig	
				Group Art Unit		Do, Thuan	
				Examiner Name		2825	
(use as many sheets as necessary)				Attorney Docket Number		SPLX.P0081	
Sheet	3	of	13				
U.S. PATENT DOCUMENTS							
TD	42.	5,757,089		05-26-1998	Ishizuka		
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TD	44.	5,777,360		07-07-1998	Rostoker et al.		
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Substitute for form 1449A/PTO				Application Number		10/076,121	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date		2/12/02	
				First Named Inventor		Steven Teig	
				Group Art Unit		Do, Thuan	
				Examiner Name		2825	
Sheet		4 of 13		Attorney Docket Number		SPLX.P0081	
U.S. PATENT DOCUMENTS							
TD	66.	6,209,123	B1	03-27-2001	Mazlasz et al.		
TD	67.	6,216,252	B1	04-10-2001	Dangelo et al.		
TD	68.	6,219,832	B1	04-17-2001	Buzbee		
TD	69.	6,230,306	B1	05-08-2001	Raspopovic et al.		
TD	70.	6,247,167	B1	06-12-2001	Raspopovic et al.		
TD	71.	6,253,363	B1	06-26-2001	Gasarov et al.		
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TD	73.	6,289,495	B1	09-11-2001	Raspopovic et al.		
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TD	88.	6,412,097	B1	06-25-2002	Kikuchi et al.		
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Examiner Signature <i>Urando</i>				Date Considered		8-02-04	

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				Attorney Docket Number		SPLX.P0081	
U.S. PATENT DOCUMENTS							
TD	90.	6,463,575	B1	10-08-2002	Takahashi		
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TD	92.	6,512,292	B1	01-28-2003	Armburst et al.		
TD	93.	6,519,751	B2	02-11-2003	Sriram et al.		
TD	94.	6,526,555	B1	02-25-2003	Teig et al.		
TD	95.	6,543,043	B1	04-01-2003	Wang et al.		
TD	96.	6,557,145	B2	04-29-2003	Boyle et al.		
TD	97.	6,567,867	B2	05-20-2003	Greidinger et al.		
TD	98.	6,586,281	B1	07-01-2003	Gabara et al.		
TD	99.	6,615,400	B1	09-02-2003	Lukanc		

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Examiner Initials	Cite No.	Foreign Patent Document		Kind Code (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number				
TD	100.	JP	11-296560		10-29-1999	Matsumoto et al.	with English translation of Abstract;
TD	101.	JP	2000-082743	A	03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
TD	102.	JP	64-15947		01-19-1989	Ouchi	with English translation of Abstract;
TD	103.	JP	03-173471		07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English

Examiner Signature	<i>Miranda</i>	Date Considered	8-02-04
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				Attorney Docket Number		SPLX.P0081	
FOREIGN PATENT DOCUMENTS							
TD	104	JP	04-000677	01-06-1992	Fujiwara et al.	translation of the application.	
TD	105	JP	05-102305	04-23-1993	Sato	with English translation of Abstract; with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
TD	106	JP	05-243379	09-21-1993	Kubota	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
TD	107	JP	07-086407	03-31-1995	Miura	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
TD	108	JP	09-162279	08-20-1997	Yoshida	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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		Group Art Unit	Do, Thuan
		Examiner Name	2825
Sheet	7	of	13
		Attorney Docket Number	SPLX.P0081

NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cito No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
TD	109	Chen, H.F. et al., A Faster Algorithm for Rubber-Band Equivalent Transformation for Planar VLSI Layouts, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 15, No. 2, February 1998, pp. 217-227.	
TD	110	Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, vol. 26, issue. 3A, pp. 929-933	
TD	111	Dayan, T. et al., Layer Assignment for Rubber Band Routing, UCSC-CRI-93-04, January 20, 1993.	
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				Group Art Unit	Do, Thuan
				Examiner Name	2825
				Attorney Docket Number	SPLX.P0081
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				Group Art Unit		Do, Thuan	
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TD	200	Zhou, H. et al., An Optimal Algorithm for River Routing with Crosstalk Constraints, 1996					
TD	201	Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.					

Examiner Signature	<i>Alvando</i>	Date Considered	8-02-04
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Substitute for form 1449A/PTO				Application Number	10/076,121
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	2/12/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Do, Thuan
Sheet	1	of	4	Attorney Docket Number	SPLX.P0081

RELATED U.S. PATENT APPLICATIONS						
Examiner's Initials	Cite No.	U.S. Patent Application		Name of Patentee or Applicant of Cited Document	Date of Filing MM-DD-YYYY	Related Application Data
		Serial Number	Attorney Docket Number			
TD	1.	10/066,060	SPLX.P0072	Steven Teig.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	2.	10/066,160	SPLX.P0073	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	3.	10/066,095	SPLX.P0074	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	4.	10/066,047	SPLX.P0078	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	5.	10/061,641	SPLX.P0079	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	6.	10/066,094	SPLX.P0080	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	7.	10/062,995	SPLX.P0105	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	8.	10/066,102	SPLX.P0106	Steven Teig	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	9.	10/066,187	SPLX.P0133	Steven Teig et al.	01-31-2002	Application with similar, but not identical, specification and drawings as the present application.
TD	10.	10/228,736	CDN.P0001	Steven Teig	08-26-2002	CIP of the present application
TD	11.	10/229,311	CDN.P0002	Steven Teig	08-26-2002	CIP of the present application
TD	12.	10/229,108	CDN.P0003	Steven Teig	08-26-2002	CIP of the present application
TD	13.	10/215,563	CDN.P0004	Steven Teig	08-09-2002	CIP of the present application
TD	14.	10/215,896	CDN.P0005	Steven Teig	08-09-2002	CIP of the present application

Examiner Signature	<i>Alvarado</i>	Date Considered	8-02-04
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Substitute for form 1449/PTO				Application Number	10/076,121
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	2/12/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Do, Thuan
Sheet	2	of	4	Attorney Docket Number	SPLX.P0081

RELATED U.S. PATENT APPLICATIONS						
TD	15.	10/219,675	CDN.P0008	Steven Teig	08-14-2002	CIP of the present application
TD	16.	10/219,608	CDN.P0007	Steven Teig	08-14-2002	CIP of the present application
TD	17.	10/233,202	CDN.P0008	Steven Teig	08-28-2002	CIP of the present application.
TD	18.	10/229,196	CDN.P0009	Steven Teig	08-26-2002	CIP of the present application.
TD	19.	10/288,870	CDN.P0010	Steven Teig	11-06-2002	Continuation of the present application.
TD	20.	10/219,923	CDN.P0011	Steven Teig	08-14-2002	CIP of the present application
TD	21.	10/286,254	CDN.P0012	Steven Teig	10-31-2002	CIP of the present application
TD	22.	10/219,706	CDN.P0013	Steven Teig	08-14-2002	CIP of the present application
TD	23.	10/231,423	CDN.P0014	Steven Teig	08-28-2002	CIP of the present application
TD	24.	10/230,503	CDN.P0015	Steven Teig	08-28-2002	CIP of the present application
TD	25.	10/222,088	CDN.P0016	Steven Teig	08-14-2002	CIP of the present application
TD	26.	10/228,679	CDN.P0017	Steven Teig	08-26-2002	CIP of the present application
TD	27.	10/229,202	CDN.P0018	Steven Teig	08-26-2002	CIP of the present application
TD	28.	10/229,170	CDN.P0019	Steven Teig	08-26-2002	CIP of the present application
TD	29.	10/286,630	CDN.P0020	Steven Teig	10-31-2002	CIP of the present application
TD	30.	10/230,504	CDN.P0021	Steven Teig	08-28-2002	CIP of the present application
TD	31.	10/215,923	CDN.P0022	Steven Teig	08-09-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	32.	10/226,483	CDN.P0023	Steven Teig	08-23-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	33.	10/226,774	CDN.P0024	Steven Teig	08-23-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	34.	10/232,795	CDN.P0025	Steven Teig	08-28-2002	Application that describes alternative path search technology to the path search

Examiner Signature	<i>Thuan Do</i>	Date Considered	8-02-04
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/076,121
				Filing Date	2/12/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Do, Thuan
Sheet	3	of	4	Attorney Docket Number	SPLX.P0081

RELATED U.S. PATENT APPLICATIONS						
TD	35.	10/231,369	CDN.P0026	Steven Teig	08-28-2002	technology described in the present application. Application that describes alternative path search technology to the path search technology described in the present application.
TD	36.	10/233,312	CDN.P0027	Steven Teig	08-28-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	37.	10/227,016	CDN.P0028	Steven Teig	08-23-2002	Application that describes alternative path search technology to the path search technology described in the present application.
JP	38.	10/226,482	CDN.P0029	Steven Teig	08-23-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	39.	10/285,844	CDN.P0030	Steven Teig	10-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	40.	10/286,253	CDN.P0031	Steven Teig	10-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	41.	10/288,033	CDN.P0032	Steven Teig	11-05-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	42.	10/335,179	CDN.P0033	Steven Teig	12-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TP	43.	10/285,758	CDN.P0035	Steven Teig	10-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.

Examiner Signature	<i>Meach</i>	Date Considered	8-02-04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	2/12/2002
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Do, Thuan
				Attorney Docket Number	SPLX.P0081
Sheet	4	of	4		

RELATED U.S. PATENT APPLICATIONS						
TD	44.	10/286,598	CDN.P0036	Steven Teig	10-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	45.	10/286,584	CDN.P0037	Steven Teig	10-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	46.	10/335,074	CDN.P0066	Steven Teig et al.	12-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	47.	10/334,665	CDN.P0067	Steven Teig et al.	12-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	48.	10/335,243	CDN.P0068	Steven Teig et al.	12-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.
TD	49.	10/335,062	CDN.P0069	Steven Teig	12-31-2002	Application that describes alternative path search technology to the path search technology described in the present application.

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